

Test Stack-test2

Stack index	item/element in stack index
0	The address
1	63
2	62
3	61
4	3d
5	Int p
6	
7	
8	
9	

Foo stack-test2

Stack index	item/element in stack index
0	131
1	66
2	65

Foo stack-test3

Stack index	item/element in stack index
0	131
1	66
2	65

The values of z ended up being different because of the declaration of static variables and the use of proper implementation of them. The proper use of static variables allows the second program to implement the pointer algorithm properly with the correct output. The first

program (test2) did not implement the static variables correctly and resulting in the number for z to be different.